

Baglan Way, Baglan

Transport Note: Further Post-Application Information

CJ Construction (Wales) Ltd

REPORT DETAILS

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1. INTRODUCTION

- 1.1.1 This Transport Note (TN) relates to an application for Glass Systems Ltd for the construction of an Industrial Building on a site at Baglan Way, Baglan (App Ref: P2022/0470).
- 1.1.2 The Welsh Government (WG) has provided a consultation response in relation to the planning application and this TN provides further information in relation to these comments.
- 1.1.3 The planning application included a Transport Assessment and Travel Plan (TA / TP) produced by Apex against which included a full and detailed assessment of the impact of the proposed development. Where applicable, relevant sections of these reports have been referred to in this response.
- 1.1.4 It should be noted that the local highway authority (LHA), Neath Port Talbot County Borough Council (NPTCBC) had no objections to the application subject to conditions relating to EV charging, signage, visibility splays and S278 agreements.
- 1.1.5 As such, the LHA are satisfied with the proposals, the impact of the scheme on the network and the connectivity by sustainable modes of transport.
- 1.1.6 However, further comments were provided by the NPTCBC policy team in relation to sustainable connectivity, which have also been considered in this TN.
- 1.1.7 For ease, the TN has been set out with specific WG / NPTCBC comments shown in **navy boxes** with the Apex further information provided below. The comments have been grouped by topic, where applicable.

2. SUNNYCROFT ROUNDABOUT

Welsh Government – “The TA should reference the Sunnycroft Roundabout downstream of the site and demonstrate any impacts of the development’s traffic distribution/generation”

- 2.1.1 The TA summarises the number of vehicle movements by junction in Section 6.4.10. Appendix C (Figures 014 and 015) shows the turning movements at the Sunnycroft roundabout junction in a traffic flow diagram.
- 2.1.2 The analysis shows the following peak hour vehicle movements through this junction in the peak hours:
- AM peak (08:00 - 09:00) – 44 total movements
 - PM Peak (17:00 – 18:00) – 31 total movements
- 2.1.3 The impacts were not considered at this junction within the TA, as this was not required by NPTCBC. However, a traffic survey was obtained at this roundabout on Thursday 9th September 2021, consistent with the other junctions on the network assessed in the TA. A summary of the 2021 vehicle movements through this junction is shown as follows, the full outputs from the survey are provided in Appendix A.
- AM peak (08:00 - 09:00) – 3,376 total movements
 - PM Peak (17:00 – 18:00) – 3,541 total movements
- 2.1.4 The percentage change in movements, considering the worst case development flow hour against the worst case background peak hour (as assessed in the TA) is summarised as follows:
- AM peak (08:00 - 09:00) – 1.3% change

- PM Peak (17:00 – 18:00) – 0.9% change

- 2.1.5 The change in background flows relating to the traffic generated by the proposed development would be minimal and well within daily fluctuations in flows. It would also be well below the 5% threshold levels set out in TAN18 and therefore these increases would not have a material impact on the operation of this junction. The increases are also considered robust as no traffic growth has been applied to the 2021 background traffic flows.
- 2.1.6 As such, the conclusions in the TA would remain valid and the development will not have a material impact on the operation of the Sunnycroft roundabout in the peak hours and no mitigation is required.

3. VEHICLE ACCESS

NPTCBC Policy Team – “In terms of the glass factory’s proposed vehicle access onto Baglan Way, our engineering section are planning to have priority access to pedestrians and cyclists along all side roads on Baglan way, so therefore this proposed access would need this too, built in accordance with WG Active Travel Guidance.”

- 3.1.1 The vehicular accesses have been agreed by the LHA as part of its consultation response and suitably provide for pedestrian / cyclist movements. The detailed design of the junction, including the details of the pedestrian / cyclist crossing can be agreed as part of the S278 technical approval process.

4. SUSTAINABLE CONNECTIVITY

NPTCBC Policy Team – “Consider how cyclist will transition from Baglan Way and Moor Road to the cycle stands within the site.”

- 4.1.1 The proposals provide a separate walking / cycling access directly from Baglan Way to the cycle parking area within the site. This is considered appropriate and safe, and followed pre-application discussions with NPTCBC on the layout. No objections to cyclist access have been received from the LHA.

NPTCBC Policy Team – “Having priority crossings on Moor Road as well as Baglan Way will be beneficial, as this is the kind of infrastructure that Welsh Government, Transport for Wales and Sustrans are recommending that LA’s put in now (where appropriate) in accordance with the Active Travel guidance.”

- 4.1.2 The vehicular accesses have been agreed by the LHA as part of its consultation response and suitably provide for pedestrian movements. The junction would incorporate dropped kerbs and tactile paving, as needed on the footway passing the site frontage. As this is a HGV access, it is not considered suitable to have a raised table or similar at the entrance to the site and a dropped kerb crossing is considered appropriate on this footway.
- 4.1.3 The detailed design of the junction, including the details of the pedestrian crossing at the access can be agreed as part of the S278 technical approval process.

5. SUMMARY

- 5.1.1 This Transport Note has fully considered the comments raised by WG and NPTCBC in relation to the application and provides further information in response to these comments.
- 5.1.2 The local highway authority has raised no objection to the application based on the information submitted within a Transport Assessment.

- 5.1.3 Based on the further information provided, we trust that Welsh Government and NPTCBC are able to make a positive recommendation on the application.

Appendix A Traffic Survey Data – Sunnyside Roundabout

Junction: 5 (BLUE)
Approach: A48 North

TIME	To Sunny Mount							To A48 (E)							To M4							To A4241 Seaway Parade							U-Turn										
	CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS
07:00 - 07:15	0	0	1	1	0	0	0	2	0	0	15	1	0	0	0	16	0	0	57	13	0	2	0	72	0	1	55	12	1	0	0	69	0	0	1	0	0	0	1
07:15 - 07:30	0	0	1	0	0	0	0	1	0	0	6	2	0	0	1	9	0	0	57	19	1	0	1	78	0	1	85	8	2	2	0	98	0	0	0	0	0	0	0
07:30 - 07:45	0	0	5	1	0	0	0	6	0	0	15	4	0	0	0	19	0	0	72	19	2	1	0	94	0	1	132	15	1	0	0	148	0	0	1	0	0	0	1
07:45 - 08:00	0	0	2	1	0	0	0	3	1	0	14	5	2	0	0	22	0	0	75	18	2	4	0	99	0	0	173	29	1	0	0	203	0	0	0	0	0	0	0
Hourly Total	0	0	9	3	0	0	0	12	1	0	50	12	2	0	1	66	0	0	261	69	5	7	1	343	0	3	445	64	5	2	0	519	0	0	2	0	0	0	2
08:00 - 08:15	0	0	2	1	0	0	0	3	0	0	21	1	0	0	1	23	0	0	56	11	2	0	0	69	0	0	191	28	0	0	0	219	0	0	0	0	0	0	0
08:15 - 08:30	0	0	2	0	0	0	0	2	0	0	28	7	1	0	0	36	0	0	48	9	2	2	0	61	0	0	230	19	2	0	0	254	0	0	0	0	0	0	0
08:30 - 08:45	0	0	10	0	0	0	0	10	0	1	17	4	0	0	0	22	0	0	60	12	1	1	0	74	0	0	169	29	1	0	2	201	0	0	0	0	0	0	0
08:45 - 09:00	0	0	5	0	0	0	0	5	0	0	15	9	0	0	0	24	0	1	50	7	4	0	0	62	0	0	151	27	0	0	4	182	0	0	2	1	0	0	3
Hourly Total	0	0	19	1	0	0	0	20	0	0	81	21	1	0	1	105	0	1	214	39	9	3	0	266	0	0	721	103	3	0	9	836	0	0	2	1	0	0	3
09:00 - 09:15	0	0	3	1	0	0	0	4	0	0	32	6	0	0	2	40	0	0	49	10	2	4	2	67	0	0	123	23	3	0	2	151	0	0	1	0	0	0	1
09:15 - 09:30	0	0	2	1	0	0	0	3	0	0	24	10	0	0	1	35	0	0	49	14	2	0	1	66	0	0	120	20	1	0	4	145	0	0	1	0	0	0	1
09:30 - 09:45	0	0	2	1	0	0	0	3	0	0	16	6	0	0	0	22	0	1	39	13	1	5	0	59	0	0	95	16	4	1	0	116	0	0	1	0	0	0	1
09:45 - 10:00	0	0	2	0	1	1	0	4	0	0	17	4	0	0	0	21	0	0	41	8	2	1	0	52	0	0	110	20	4	0	0	134	0	0	1	0	0	0	1
Hourly Total	0	0	9	3	1	1	0	14	0	0	89	26	0	0	3	118	0	1	178	46	7	10	3	244	0	0	448	79	12	1	6	546	0	0	2	1	1	0	4
TOTAL	0	0	37	7	1	1	0	46	1	1	220	69	3	0	5	289	0	2	653	153	21	20	4	853	0	3	1614	246	20	3	15	1901	0	0	6	2	1	0	9
16:00 - 16:15	0	0	8	1	0	0	0	9	0	1	38	2	0	0	1	42	0	0	59	8	1	2	0	70	0	1	113	13	1	0	2	130	0	0	1	1	0	0	2
16:15 - 16:30	0	1	7	0	0	0	0	8	0	0	39	5	0	0	0	44	0	0	54	12	2	3	0	71	0	1	125	21	1	4	0	152	0	0	0	0	0	0	0
16:30 - 16:45	0	0	6	0	0	0	0	6	0	1	45	4	0	0	1	51	0	0	42	8	1	2	0	53	0	0	149	14	3	1	0	167	0	0	3	0	0	0	3
16:45 - 17:00	0	0	6	1	0	0	0	7	0	2	48	4	0	0	1	55	0	0	60	10	1	3	0	74	0	1	137	12	3	1	1	155	0	0	2	1	0	0	3
Hourly Total	0	1	27	2	0	0	0	30	0	4	170	15	0	0	3	192	0	0	215	38	5	10	0	268	0	3	524	60	8	6	3	604	0	0	6	2	0	0	8
17:00 - 17:15	0	0	9	1	0	0	0	10	0	0	47	3	0	0	0	50	0	0	73	3	0	0	0	76	0	0	117	13	2	1	0	153	0	0	4	1	0	0	5
17:15 - 17:30	0	0	2	0	0	0	0	2	0	1	45	4	1	0	1	52	0	0	40	5	0	1	0	46	0	0	144	18	2	1	0	165	0	0	1	0	0	0	1
17:30 - 17:45	0	0	9	1	0	0	0	10	0	1	39	6	0	0	0	46	0	0	52	6	0	2	0	60	0	1	136	6	1	0	0	144	0	0	2	0	0	0	2
17:45 - 18:00	0	0	3	1	0	0	0	4	0	0	43	7	0	0	0	50	0	0	42	5	0	2	0	49	0	2	152	13	0	0	3	170	0	0	0	0	0	0	0
Hourly Total	0	0	23	3	0	0	0	26	0	2	174	20	1	0	1	195	0	0	207	19	0	5	0	211	0	3	569	90	5	2	3	632	0	0	7	1	0	0	8
18:00 - 18:15	0	0	11	0	0	0	0	11	0	0	33	1	0	0	0	35	0	1	43	4	0	3	0	51	0	0	126	9	0	0	2	137	0	0	1	0	0	0	1
18:15 - 18:30	0	0	9	0	0	0	0	9	0	0	37	1	0	0	0	37	0	0	35	5	0	2	0	42	0	1	127	3	0	0	2	133	0	0	1	0	0	0	1
18:30 - 18:45	0	0	3	0	0	0	0	3	0	0	28	1	0	0	0	30	0	2	41	1	0	0	0	43	0	4	115	3	0	0	1	123	0	0	0	0	0	0	0
18:45 - 19:00	0	0	4	0	0	0	0	4	0	2	31	1	0	0	0	34	0	0	22	2	0	0	0	24	0	0	107	7	0	0	4	118	0	0	0	0	0	0	0
Hourly Total	0	0	27	0	0	0	0	27	0	3	129	3	0	0	1	136	0	3	141	12	0	5	0	161	0	5	476	22	0	0	9	511	0	0	2	0	0	0	2
TOTAL	0	1	77	5	0	0	0	83	0	9	473	38	1	0	5	526	0	3	563	69	5	20	0	660	0	11	1568	132	13	8	15	1747	0	0	15	3	0	0	18

Junction: 5 (BLUE)
Approach: Sunny Mount

TIME	To A48 (E)								To M4								To A4241 Seaway Parade								To A48 (N)							
	CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL
07:00 - 07:15	0	0	0	1	0	0	0	1	0	0	8	2	0	0	0	10	0	0	7	1	0	0	0	8	0	0	17	1	0	0	0	18
07:15 - 07:30	0	0	4	0	0	0	0	4	0	0	7	2	0	0	0	9	0	0	10	2	0	0	0	12	0	0	10	2	0	0	1	13
07:30 - 07:45	0	0	1	1	0	0	0	2	0	0	9	3	0	0	0	12	0	0	15	3	0	0	0	18	0	0	28	2	0	0	0	30
07:45 - 08:00	0	1	4	2	0	0	0	7	0	0	13	2	0	0	0	15	0	0	28	4	0	0	0	32	0	0	36	3	0	0	0	39
Hourly Total	0	1	9	4	0	0	0	14	0	0	37	9	0	0	0	46	0	0	60	10	0	0	0	70	0	0	91	8	0	0	1	100
08:00 - 08:15	0	0	7	0	0	0	0	7	0	0	15	2	0	0	0	17	0	0	47	6	0	0	0	53	0	0	39	4	0	0	0	43
08:15 - 08:30	0	0	1	0	0	0	2	3	0	0	15	2	0	0	0	17	0	0	62	2	0	0	0	64	0	0	39	3	0	0	0	42
08:30 - 08:45	0	0	7	1	0	0	0	8	0	0	14	3	0	0	0	17	0	0	40	6	0	0	1	47	0	0	45	4	0	0	0	49
08:45 - 09:00	0	0	14	0	0	0	0	14	0	0	14	1	0	0	0	15	0	0	39	2	0	0	1	42	0	0	25	2	0	0	0	27
Hourly Total	0	0	29	1	0	0	2	32	0	0	58	8	0	0	0	66	0	0	188	16	0	0	2	206	0	0	148	13	0	0	0	161
09:00 - 09:15	0	0	11	1	0	0	0	12	0	0	10	1	0	0	0	11	0	0	24	2	0	0	0	26	0	0	24	2	0	0	0	26
09:15 - 09:30	0	0	6	3	0	0	0	9	0	0	7	1	0	0	0	8	0	0	17	1	0	0	0	18	0	0	12	1	0	0	0	13
09:30 - 09:45	0	0	7	0	0	0	0	7	0	0	6	1	0	0	0	7	0	0	12	1	0	0	0	13	0	0	14	1	0	0	0	15
09:45 - 10:00	0	0	6	0	0	0	0	6	0	0	7	1	0	0	0	8	0	0	19	2	0	0	0	21	0	0	14	2	0	0	0	16
Hourly Total	0	0	30	4	0	0	0	34	0	0	30	4	0	0	0	34	0	0	72	6	0	0	0	78	0	0	64	6	0	0	0	70
TOTAL	0	1	68	9	0	0	2	80	0	0	125	21	0	0	0	146	0	0	320	32	0	0	2	354	0	0	303	27	0	0	1	331
16:00 - 16:15	0	0	9	1	0	0	0	10	0	0	9	2	0	0	0	11	0	0	18	3	0	0	0	21	0	0	21	2	0	0	0	23
16:15 - 16:30	0	0	6	2	0	0	0	8	0	0	8	0	0	0	0	8	0	0	21	0	0	0	0	21	0	0	18	0	0	0	0	18
16:30 - 16:45	0	0	7	0	0	0	0	7	0	0	6	1	0	0	0	7	0	0	19	1	0	0	0	20	0	0	17	1	0	0	0	18
16:45 - 17:00	0	0	15	2	0	0	0	17	0	0	11	0	0	0	0	11	0	0	26	0	0	0	0	26	0	1	21	2	0	0	0	24
Hourly Total	0	0	37	5	0	0	0	42	0	0	34	3	0	0	0	37	0	0	84	4	0	0	0	88	0	1	77	5	0	0	0	83
17:00 - 17:15	0	0	11	0	0	0	0	11	0	0	8	1	0	0	0	9	0	0	17	1	0	0	0	18	0	0	15	2	0	0	0	17
17:15 - 17:30	1	0	5	0	0	0	0	6	0	0	7	1	0	0	0	8	0	0	25	3	0	0	0	28	0	0	21	3	0	0	0	24
17:30 - 17:45	0	0	3	2	0	0	0	5	0	0	10	1	0	0	0	11	0	0	27	1	0	0	0	28	0	0	19	2	0	0	0	21
17:45 - 18:00	0	0	11	0	0	0	0	11	0	0	7	1	0	0	0	8	0	0	26	2	0	0	0	28	0	0	19	2	0	0	0	21
Hourly Total	1	0	30	2	0	0	0	33	0	0	32	4	0	0	0	36	0	0	95	7	0	0	0	102	0	0	74	9	0	0	0	83
18:00 - 18:15	0	0	9	0	0	0	0	9	0	0	8	0	0	0	0	8	0	0	21	0	0	0	0	21	0	0	17	0	0	0	0	17
18:15 - 18:30	0	0	8	0	0	0	0	8	0	0	7	0	0	0	0	7	0	0	22	0	0	0	0	22	0	0	18	0	0	0	0	18
18:30 - 18:45	0	0	7	1	0	0	0	8	0	0	9	1	0	0	0	10	0	0	23	1	0	0	0	24	0	0	17	1	0	0	0	18
18:45 - 19:00	0	0	7	0	0	0	0	7	0	0	3	0	0	0	0	3	0	0	11	1	0	0	0	12	0	0	14	1	0	0	0	15
Hourly Total	0	0	31	1	0	0	0	32	0	0	27	1	0	0	0	28	0	0	77	2	0	0	0	79	0	0	66	2	0	0	0	68
TOTAL	1	0	98	8	0	0	0	107	0	0	93	8	0	0	0	101	0	0	256	13	0	0	0	269	0	1	217	16	0	0	0	234

Junction: 5 (BLUE)
Approach: A48 East

TIME	To M4								To A4241 Seaway Parade								To A48 (N)								To Sunny Mount								U-Turn							
	CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL
07:00 - 07:15	0	0	12	7	0	0	0	19	0	0	3	0	0	0	0	3	0	0	13	2	0	0	0	15	0	0	2	0	0	0	0	2	0	0	0	0	0	0	0	0
07:15 - 07:30	0	0	14	1	0	0	0	15	0	0	8	1	0	0	0	9	0	0	15	4	0	0	0	19	0	0	2	0	0	0	0	2	0	0	1	0	0	0	0	1
07:30 - 07:45	0	0	15	4	0	0	0	19	0	0	13	4	0	0	1	18	0	0	23	4	0	0	0	27	0	0	2	0	0	0	0	2	0	0	0	0	0	0	0	0
07:45 - 08:00	0	0	28	4	0	0	0	32	0	0	13	7	0	0	1	21	0	0	20	4	0	0	0	24	0	0	2	1	0	0	0	3	0	0	2	0	0	0	0	2
Hourly Total	0	0	69	16	0	0	0	85	0	0	37	12	0	0	2	51	0	0	71	14	0	0	0	85	0	0	8	1	0	0	0	9	0	0	3	0	0	0	0	3
08:00 - 08:15	0	0	7	3	1	0	0	11	0	0	14	6	1	0	0	21	0	0	14	6	0	0	0	20	0	0	4	0	0	0	0	4	0	0	1	0	0	0	0	1
08:15 - 08:30	0	0	8	3	0	0	0	11	0	1	23	3	1	0	0	28	0	0	15	2	1	0	0	18	0	0	4	0	0	0	0	4	0	0	0	0	0	0	0	0
08:30 - 08:45	0	0	18	3	0	0	0	21	0	0	20	6	0	0	0	26	0	0	20	3	0	0	0	23	0	0	6	2	0	0	0	8	0	0	0	1	0	0	0	1
08:45 - 09:00	0	0	13	4	0	0	0	17	0	0	28	2	0	0	0	30	0	1	18	3	0	0	0	22	0	0	7	0	0	0	0	7	0	1	0	0	0	0	0	1
Hourly Total	0	0	46	13	1	0	0	60	0	1	85	17	2	0	0	105	0	1	67	14	1	0	0	83	0	0	21	2	0	0	0	23	0	1	1	1	0	0	0	3
09:00 - 09:15	0	0	13	5	1	0	0	19	0	0	26	3	0	0	0	29	0	2	25	3	1	0	0	31	0	0	4	0	0	0	0	4	0	0	0	0	0	0	0	0
09:15 - 09:30	0	0	9	4	1	0	0	14	0	0	27	1	0	0	1	29	0	0	20	3	0	0	1	24	0	0	4	0	0	0	0	4	0	0	3	1	0	0	0	4
09:30 - 09:45	0	0	10	1	0	0	0	11	0	0	12	1	1	0	0	14	0	0	20	3	0	0	1	24	0	0	4	0	0	0	0	4	0	0	1	0	1	0	0	2
09:45 - 10:00	0	0	11	1	0	0	0	12	0	0	17	3	0	0	1	21	0	0	14	2	0	0	0	16	0	0	3	0	0	0	0	3	0	0	1	0	0	0	0	1
Hourly Total	0	0	43	11	2	0	0	56	0	0	82	8	1	0	2	93	0	2	79	11	1	0	2	95	0	0	15	0	0	0	0	15	0	0	5	1	1	0	0	7
TOTAL	0	0	198	40	3	0	0	201	0	1	204	37	3	0	4	240	0	3	217	30	2	0	2	263	0	0	44	3	0	0	0	47	0	1	9	2	1	0	0	13
16:00 - 16:15	0	0	12	0	0	0	0	12	0	0	18	2	0	0	1	21	0	1	19	2	0	0	0	22	0	0	6	0	0	0	0	6	0	0	2	0	0	0	0	2
16:15 - 16:30	0	0	11	3	0	0	0	14	0	1	25	2	0	0	1	29	0	0	20	4	0	0	0	24	0	0	6	1	0	0	0	7	0	0	0	0	0	0	0	0
16:30 - 16:45	0	1	13	2	0	0	0	16	0	0	22	2	0	0	0	24	0	0	20	4	0	0	1	25	0	0	5	0	0	0	0	5	0	0	0	0	0	0	0	0
16:45 - 17:00	0	0	21	2	0	0	0	23	0	0	20	2	0	0	0	22	0	0	18	3	0	0	0	21	0	0	6	1	0	0	0	7	0	0	2	1	0	0	0	3
Hourly Total	0	1	57	7	0	0	0	65	0	1	85	8	0	0	2	96	0	1	77	13	0	0	1	92	0	0	23	2	0	0	0	25	0	0	4	1	0	0	0	5
17:00 - 17:15	0	1	9	2	0	0	0	12	0	0	29	3	0	0	0	32	0	0	28	2	0	0	1	31	0	0	5	1	0	0	0	10	0	0	5	0	0	0	0	5
17:15 - 17:30	0	0	15	2	0	0	0	17	0	0	27	1	0	0	1	29	0	0	24	2	0	0	0	26	0	0	7	0	0	0	0	7	0	0	0	0	0	0	0	0
17:30 - 17:45	0	0	9	1	0	0	0	10	1	1	26	1	0	0	0	29	0	1	20	3	0	0	1	25	0	0	5	1	0	0	0	6	0	0	1	1	0	0	0	2
17:45 - 18:00	0	0	8	0	0	0	0	8	0	0	25	3	0	0	1	29	0	0	21	3	0	0	0	24	0	0	5	1	0	0	0	6	0	0	0	0	0	0	0	0
Hourly Total	0	1	43	5	0	0	0	47	1	1	107	8	0	0	2	115	0	1	93	10	0	0	2	106	0	0	5	3	0	0	0	9	0	0	6	1	0	0	0	7
18:00 - 18:15	0	0	12	1	0	0	0	13	0	0	27	3	0	0	0	30	0	0	21	3	0	0	0	24	0	0	5	0	0	0	0	5	0	0	0	0	0	0	0	0
18:15 - 18:30	0	0	13	0	0	0	0	13	0	0	18	1	0	0	0	19	0	0	17	3	0	0	0	20	0	0	6	1	0	0	0	7	0	0	1	0	0	0	0	1
18:30 - 18:45	0	0	9	0	0	0	0	9	0	0	20	3	0	0	0	23	0	0	18	2	0	0	0	20	0	0	5	0	0	0	0	5	0	0	0	0	0	0	0	0
18:45 - 19:00	0	0	10	3	0	0	0	13	0	0	15	2	0	0	0	17	0	0	18	2	0	0	0	20	0	2	4	0	0	0	0	6	0	0	0	0	0	0	0	0
Hourly Total	0	0	44	4	0	0	0	48	0	0	80	9	0	0	0	89	0	0	74	10	0	0	0	84	0	2	20	1	0	0	0	23	0	0	1	0	0	0	0	1
TOTAL	0	2	142	16	0	0	0	160	1	2	272	25	0	0	4	304	0	2	244	33	0	0	3	282	0	2	69	6	0	0	0	77	0	0	11	2	0	0	0	13

Junction: 5 (BLUE)

Approach: M4

TIME	To A4241 Seaway Parade								To A48 (N)								To Sunny Mount								To A48 (E)							
	CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL
07:00 - 07:15	0	0	22	3	1	1	0	27	0	0	16	8	0	2	1	26	0	0	1	1	0	0	0	2	0	0	2	2	0	0	0	4
07:15 - 07:30	0	0	39	8	0	3	0	50	0	0	19	5	0	2	1	27	0	0	2	2	0	0	0	4	0	0	2	2	0	0	0	4
07:30 - 07:45	0	0	36	6	1	0	0	43	0	0	25	3	0	2	0	30	0	0	2	0	0	0	0	2	0	0	3	1	0	0	4	
07:45 - 08:00	0	0	43	7	0	1	0	51	0	0	36	10	0	1	0	47	0	0	5	1	0	0	0	6	0	0	5	3	0	0	8	
Hourly Total	0	0	140	24	2	5	0	171	0	0	96	26	0	7	1	130	0	0	10	4	0	0	0	14	0	0	12	8	0	0	20	
08:00 - 08:15	0	0	50	6	1	3	1	61	0	0	35	8	0	0	0	43	0	0	8	0	0	0	0	8	0	0	6	2	0	0	8	
08:15 - 08:30	0	0	55	2	2	2	0	61	0	0	52	12	2	1	0	67	0	0	11	3	0	0	0	14	0	0	15	2	0	0	17	
08:30 - 08:45	0	0	40	6	1	1	2	50	0	0	50	7	1	1	1	60	0	0	12	2	0	0	0	14	0	0	7	2	0	0	9	
08:45 - 09:00	0	0	35	5	0	0	0	40	0	0	45	7	1	2	1	56	0	0	16	2	0	0	0	18	0	0	10	3	0	0	13	
Hourly Total	0	0	180	19	4	6	3	212	0	0	182	34	4	4	2	226	0	0	47	7	0	0	0	54	0	0	38	9	0	0	47	
09:00 - 09:15	0	0	24	6	1	2	0	33	0	0	40	9	2	0	0	51	0	0	7	2	0	0	0	9	0	0	9	2	0	0	11	
09:15 - 09:30	0	0	24	7	1	1	0	33	0	1	23	6	0	3	0	33	0	0	4	0	0	0	0	4	0	0	7	3	0	0	10	
09:30 - 09:45	0	0	29	7	0	0	0	36	0	0	24	3	0	2	1	30	0	0	5	0	0	0	0	5	0	0	5	2	0	0	7	
09:45 - 10:00	0	0	26	7	1	0	0	34	0	0	30	11	1	1	0	43	0	0	8	2	0	0	0	10	0	0	6	2	0	0	8	
Hourly Total	0	0	103	27	3	3	0	136	0	1	117	29	3	6	1	157	0	0	24	4	0	0	0	28	0	0	27	9	0	0	36	
TOTAL	0	0	423	70	9	14	3	519	0	1	395	89	7	17	4	513	0	0	81	15	0	0	0	96	0	0	77	26	0	0	103	
16:00 - 16:15	0	0	27	5	1	0	0	33	0	0	53	10	3	1	0	67	0	0	15	3	0	0	0	18	0	0	13	4	0	0	17	
16:15 - 16:30	0	0	20	3	2	1	0	26	0	0	54	11	0	0	0	65	0	0	18	2	0	0	0	20	0	0	17	2	0	0	19	
16:30 - 16:45	0	0	29	3	1	1	1	35	0	0	69	9	0	1	0	79	0	0	14	2	0	0	0	16	0	0	22	2	0	0	24	
16:45 - 17:00	0	0	22	3	1	1	0	27	0	0	57	14	1	1	0	73	0	0	21	2	0	0	0	23	0	0	23	1	0	0	24	
Hourly Total	0	0	98	14	5	3	1	121	0	0	233	44	4	3	0	284	0	0	68	9	0	0	0	77	0	0	75	9	0	0	84	
17:00 - 17:15	0	0	27	3	0	2	0	32	0	0	60	7	0	2	0	69	0	0	19	2	0	0	0	21	0	2	19	2	0	0	23	
17:15 - 17:30	0	0	20	2	0	1	0	23	0	0	57	10	2	1	0	70	0	0	15	2	0	0	0	17	0	0	19	2	0	0	21	
17:30 - 17:45	0	0	25	2	0	2	0	29	0	0	51	7	0	0	0	58	0	0	11	2	0	0	0	13	0	0	22	2	0	0	24	
17:45 - 18:00	0	0	13	0	1	0	0	14	0	0	39	8	0	2	0	49	0	0	10	1	0	0	0	11	0	0	14	3	0	0	17	
Hourly Total	0	0	85	7	1	5	0	98	0	0	207	32	2	5	0	246	0	0	55	7	0	0	0	62	0	2	74	9	0	0	85	
18:00 - 18:15	0	0	15	2	0	0	0	17	0	0	60	3	0	0	0	63	0	0	12	0	0	0	0	12	0	0	21	1	0	0	22	
18:15 - 18:30	0	0	17	1	0	0	0	18	0	0	42	6	0	0	0	48	0	0	14	2	0	0	0	16	0	0	18	1	0	0	19	
18:30 - 18:45	0	0	24	2	0	2	0	28	0	1	45	3	0	0	0	49	0	0	11	0	0	0	0	11	0	0	15	1	0	0	16	
18:45 - 19:00	0	0	19	0	0	0	0	19	0	0	37	2	0	1	0	40	0	0	9	0	0	0	0	9	0	0	10	1	0	0	11	
Hourly Total	0	0	75	5	0	2	0	82	0	1	184	14	0	1	0	200	0	0	46	2	0	0	0	48	0	0	64	4	0	0	68	
TOTAL	0	0	258	26	6	10	1	301	0	1	624	90	6	9	0	730	0	0	169	18	0	0	0	187	0	2	213	22	0	0	237	

Junction: 5 (BLUE)
Approach: A4241 Seaway Parade

TIME	To A48 (N)							To Sunny Mount							To A48 (E)							To M4							U-Turn											
	CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL
07:00 - 07:15	0	0	44	8	0	1	6	59	0	0	3	0	0	0	0	3	0	0	3	0	0	0	1	4	0	0	12	0	2	0	0	14	0	0	0	0	0	0	0	0
07:15 - 07:30	0	1	73	11	2	0	4	91	0	0	3	0	0	0	0	3	0	0	2	2	0	0	1	5	0	0	17	7	2	0	2	29	0	0	0	0	0	0	0	0
07:30 - 07:45	0	0	99	27	2	1	2	131	0	0	4	1	0	0	0	5	0	0	6	2	0	0	0	8	0	0	19	7	2	1	0	29	0	0	0	0	0	0	0	0
07:45 - 08:00	0	0	93	23	1	1	2	120	0	0	6	1	0	0	0	7	0	0	5	3	0	0	0	8	0	0	20	9	1	1	0	31	0	0	0	0	0	0	0	0
Hourly Total	0	1	309	69	5	3	14	401	0	0	16	2	0	0	0	18	0	0	16	7	0	0	2	25	0	0	68	23	7	2	2	102	0	0	0	0	0	0	0	0
08:00 - 08:15	0	0	100	16	2	2	1	123	0	0	15	1	0	0	0	16	0	0	11	2	0	0	1	14	0	0	22	6	2	2	0	32	0	0	0	0	0	0	0	0
08:15 - 08:30	0	1	103	14	2	1	0	121	0	0	26	4	0	0	0	30	0	0	29	2	0	0	0	31	0	0	36	6	2	2	1	0	45	0	0	1	0	0	0	1
08:30 - 08:45	0	1	98	18	2	2	1	122	0	0	45	3	0	0	0	48	0	0	24	2	0	0	0	26	0	0	46	3	1	1	0	51	0	0	1	0	0	0	0	1
08:45 - 09:00	0	0	98	21	1	2	1	123	0	0	25	2	0	0	0	27	0	0	14	4	0	0	0	18	0	0	33	4	2	0	0	39	0	0	0	0	0	0	0	0
Hourly Total	0	2	399	69	7	7	3	489	0	0	111	10	0	0	0	121	0	0	78	10	0	0	1	89	0	0	137	19	7	4	0	167	0	0	1	1	0	0	0	2
09:00 - 09:15	0	1	87	25	2	2	1	118	0	0	17	2	0	0	0	19	0	0	16	2	1	0	0	19	0	0	30	6	3	1	0	40	0	0	2	0	0	0	0	2
09:15 - 09:30	0	1	86	18	2	1	1	109	0	0	15	0	0	0	0	15	0	0	15	4	0	0	0	19	0	0	27	6	3	1	0	37	0	0	0	0	0	0	0	0
09:30 - 09:45	0	0	71	15	6	2	0	94	0	0	13	0	0	0	0	13	0	0	11	4	0	0	0	15	0	0	25	5	1	0	0	31	0	0	1	1	0	0	0	2
09:45 - 10:00	0	1	84	17	5	1	0	108	0	0	12	2	0	0	0	14	0	0	9	4	0	0	0	13	0	0	24	9	0	3	0	36	0	0	1	0	0	0	0	1
Hourly Total	0	3	328	75	15	6	2	429	0	0	57	4	0	0	0	61	0	0	51	14	1	0	0	66	0	0	106	26	7	5	0	144	0	0	4	1	0	0	0	5
TOTAL	0	6	1036	213	27	18	19	1319	0	0	184	16	0	0	0	200	0	0	145	31	1	0	3	180	0	0	311	68	21	11	2	413	0	0	5	2	0	0	0	7
16:00 - 16:15	0	0	181	20	1	0	1	203	0	0	25	4	0	0	0	29	0	0	25	3	0	0	0	28	0	0	41	8	0	1	0	50	0	0	0	0	0	0	0	0
16:15 - 16:30	0	0	150	10	2	1	0	163	0	0	29	0	0	0	0	29	0	0	21	4	0	0	0	25	0	0	31	6	1	1	0	39	0	0	0	0	0	0	0	0
16:30 - 16:45	0	1	177	19	0	0	0	197	0	0	26	1	0	0	0	27	0	1	35	5	0	0	0	2	43	0	0	36	5	0	0	0	41	0	0	1	0	0	0	1
16:45 - 17:00	0	1	178	18	2	2	0	199	0	0	28	3	0	0	0	31	0	0	31	2	0	0	0	33	0	0	42	7	1	0	0	50	0	0	0	0	0	0	0	0
Hourly Total	0	2	686	67	3	1	3	762	0	0	108	8	0	0	0	116	0	1	112	14	0	0	2	129	0	0	150	26	2	2	0	180	0	0	1	0	0	0	0	1
17:00 - 17:15	0	1	196	13	1	1	0	212	0	0	36	3	0	0	0	39	0	0	30	4	0	0	1	35	0	0	53	6	0	0	0	59	0	0	1	0	0	0	0	1
17:15 - 17:30	0	0	177	10	0	0	0	187	0	0	33	1	0	0	0	34	0	0	33	2	0	0	0	36	0	0	34	3	0	2	0	39	0	0	1	0	0	0	0	1
17:30 - 17:45	0	1	136	10	0	0	0	147	0	0	22	3	0	0	0	25	0	0	36	4	0	0	0	40	0	0	40	5	1	0	0	65	0	0	1	0	0	0	0	0
17:45 - 18:00	0	0	125	8	0	0	1	134	0	0	19	2	0	0	0	21	0	0	24	3	0	0	0	27	0	0	25	3	0	0	0	28	0	0	1	0	0	0	0	1
Hourly Total	0	2	634	41	1	1	1	695	0	0	119	9	0	0	0	119	0	0	123	13	0	0	1	137	0	0	161	17	0	1	0	181	0	0	2	0	0	0	0	2
18:00 - 18:15	0	2	115	10	0	2	0	129	0	0	19	0	0	0	0	19	0	0	28	0	0	0	0	28	0	0	34	1	0	0	0	35	0	0	2	0	0	0	0	2
18:15 - 18:30	0	0	124	14	0	0	0	138	0	1	24	4	0	0	0	32	0	0	32	2	0	0	0	34	0	0	28	1	0	0	0	29	0	0	0	0	0	0	0	0
18:30 - 18:45	0	0	103	7	0	0	0	110	1	0	16	0	0	0	0	17	0	0	27	3	0	0	0	30	0	0	42	2	0	0	0	44	0	0	0	0	0	0	0	0
18:45 - 19:00	0	0	107	5	0	1	1	114	0	0	30	2	0	0	0	25	0	1	27	1	0	0	0	29	0	0	19	2	1	0	0	22	0	0	0	0	0	0	0	0
Hourly Total	0	2	449	36	0	3	1	491	1	4	81	6	0	0	1	93	0	1	114	6	0	0	0	121	0	0	123	6	1	0	0	130	0	0	2	0	0	0	0	2
TOTAL	0	6	1769	144	4	5	5	1933	1	4	299	23	0	0	1	328	0	2	349	33	0	0	3	367	0	0	434	49	3	5	0	491	0	0	6	0	0	0	0	6